CLAIMS

We claim:

- 1. An isolated nucleic acid molecule encoding a polypeptide wherein the encoded polypeptide comprises amino acid residues 36 to 753 of SEQ ID NO:2.
- 2. The isolated nucleic acid molecule of claim 1 wherein the polypeptide comprises SEQ ID NO:2.
- 3. The isolated nucleic acid molecule of claim 1 wherein the polypeptide is SEQ ID NO:2.
- 4. The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule comprises nucleotides 191 to 2347 of SEQ ID NO:1.
- 5. The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule comprises nucleotides 86 to 2347 of SEQ ID NO:1.
- 6. The isolated nucleic acid molecule of claim 1 wherein the isolated nucleic acid molecule consists of nucleotides 191 to 2347 of SEQ ID NO:1.
- 7. An expression vector comprising the following operably linked elements:
 - a transcription promoter;
- a DNA segment encoding a polypeptide wherein the encoded polypeptide comprises amino acid residues 36 to 753 of SEQ ID NO:2; and
 - a transcription terminator.
- 8. The expression vector of claim 7 wherein the DNA segment further encodes a secretory signal sequence operably linked to the polypeptide.
- 9. The expression vector of claim 8 wherein the secretory signal sequence comprises amino acid residues 1 to 35 of SEQ ID NO:2.
 - 10. A recombinant host cell comprising the expression vector of claim 7.

- 11. A method of using the expression vector of claim 7 to produce a polypeptide that comprises amino acid residues 36 to 753 of SEQ ID NO:2, comprising culturing recombinant host cells that comprise the expression vector and that produce the polypeptide.
- 12. The method of claim 11 further comprising isolating the polypeptide from the cultured recombinant host cells.
- 13. An isolated polynucleotide encoding a fusion protein wherein the encoded fusion protein comprises a first portion and a second portion joined by a peptide bond, wherein the first portion comprises amino acid residues 36 to 753 of SEQ ID NO:2, and wherein the second portion comprises another polypeptide.
- 14. The isolated polynucleotide of claim 13 wherein the polynucleotide further encodes a secretory signal sequence consisting of amino acid residues 1 to 25 of SEQ ID NO:2, and wherein the secretory signal sequence is operably linked to the first portion and the second portion.